

-2-

Q1
Cond

use by, for example, threshold calculation module 56.

Please replace the paragraph beginning on Page 20, Line 9 and ending at Page 20, Line 29 with the following paragraph:

Radar level transmitter 10 can also include a dielectric constant calculator 82 that is configured to calculate a dielectric constant of second material 14 as a function of the amplitude of the first reflected wave pulse 44 and the reference amplitude. The use of a dielectric calculator in a radar level transmitter 10 is disclosed in U.S. Patent Application Serial No. 09/234,999 filed January 11, 1999 and entitled, MULTIPLE PROCESS PRODUCT INTERFACED DETECTION FOR A LOW POWER RADAR LEVEL TRANSMITTER, which is herein incorporated by reference. In this embodiment, threshold calculation module 56 can recalculate the estimated first pulse amplitude and threshold value T1 with the first dielectric parameter set to the calculated dielectric constant. As a result, threshold calculation module 56 can initially calculate first threshold value T1 in accordance with the first dielectric constant which is set by an operator and later adjust first threshold value T1 in response using the value obtained from a dielectric constant calculator.

IN THE DRAWINGS

Please amend FIGS. 1, 2, 4 and 5 as shown in the attached red-lined copies of original FIGS. 1, 2, 4 and 5.